TECHNISCHE UNIVERSITÄT DARMSTADT

QuickLink to this job announcement

CRISP
Center for Research in Security and Privacy

The Engineering Cryptographic Protocols Group at the Department of Computer Science of the Technische Universität Darmstadt is offering position for a

Research Assistant (Doctoral Researcher/PhD Student) in "Techniques for Protecting Privacy in Applications"

with the goal to further develop our expertise in the area of engineering cryptographic protocols that are scalable to real-world problem sizes.

The Engineering Cryptographic Protocols (ENCRYPTO) group is a member of the Center for Research in Security and Privacy (CRISP) and the profile area Cybersecurity at TU Darmstadt (CYSEC). We develop techniques and tools for protecting privacy in applications. See https://encrypto.de/ for details.

Job Description

The position is initially funded by a project of the ENCRYPTO group within CRISP that runs until May 31, 2020, but there is the possibility to extend the contract beyond that date. In our project, we do cutting-edge research on privacy-preserving protocols that scale to real-world problem sizes, including secure multi-party computation and private information retrieval. We also investigate protection mechanisms for evaluating private functions on sensitive data. The position is based in Darmstadt and the candidate will present research results at international top conferences worldwide. We provide an optimal working environment, support the researcher to publish results on leading international conferences and journals, and give the opportunity for further qualification (doctoral/PhD degree).

Your Profile

- Completed Master (or equivalent) degree with excellent grades in IT security, computer science, electrical engineering, mathematics, or a closely related field.
- Solid knowledge in IT security, applied cryptography, efficient algorithms, circuit design, and excellent programming skills are required.
- Additional knowledge in cryptographic protocols, parallel computing, compiler construction, programming languages, and software engineering is a plus.
- Highly qualified and self-motivated, able to write and present scientific results in English, and to conduct excellent independent research on challenging scientific problems with practical relevance.

How to Apply

Your application should be in form of a **single PDF document** that consists of a letter of motivation stating why you are interested and qualify for the position, your current curriculum vitae, certificates (M.Sc., B.Sc., high-school diploma) and detailed transcripts of records with grades, and at least two letters of recommendation. Please send your complete application with subject "CRISP Application" to Prof. Thomas Schneider (schneider@encrypto.cs.tu-darmstadt.de). Details about this job announcement are available at https://encrypto.de/jobs/CRISP2.

The starting date is as soon as possible; applications will be accepted until the position has been filled.

TU Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Wages and salaries are according to the collective agreements on salary scales, which apply to the TU Darmstadt (TV-TU Darmstadt).